

# Cave Safety Standards



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July 9, 2007

# Cave Safety Standards

- The Standards consist of:
  - Cave Safety Guidelines
  - Search and Rescue (SAR) Pre-Planning
  - Risk Assessment (previously the Job Hazard Analysis)
- You Will Learn:
  - Where and to Whom the Standards Apply,
  - What the Standards Require,
  - How they should be implemented
- Who is Familiar with them? What is your Experience?

# Cave Safety Guidelines

- I M No. 2005-095, Change 1
- Attachment (JHA) Risk Assessment
- Risk Management Worksheet



## I M No. 2005-095, Change 1

### Policy/Action: (What is Required)

- Each affected employee becomes familiar with IM.
- Affected employees will receive a copy of the Safety Guidelines and Risk Assessment Check List (RA).
- Risks in individual caves should be assessed according to level (Low, Medium, High, or Extremely High)
- Ensure that cave SAR procedures are in your office Search and Rescue Plan, Cave Management Plans, Emergency Response Plan, or other readily available location.
- A safety orientation is required for employees or the general public entering caves.

# Risk Assessments

## Risk Assessment Check List

Employee Name: \_\_\_\_\_ Reviewed: (Employee Initial) \_\_\_\_\_  
 Position Title: \_\_\_\_\_ Date: \_\_\_\_\_  
 Area or Division: \_\_\_\_\_

Job element	Risk	Recommended Protective Measures
Specific Job Element, Pre-Trip Preparation/ Equipment Check	Unprepared/ Equipment Failure	Before Your Cave Trip* Obtain a cave map* Know the location of physical and legal access* Locate information on risk* Tell someone where you are going and when you should return* Inspect and test equipment before using. Be sure all equipment is adequate for the cave trip Recommended Protective Equipment:* cave map* gate keys or combination* pencil* small tablet* three reliable independent light sources* extra batteries and bulb* hard hat with chin strap or preferably a caving or climbing helmet equipped with a light* ETC.



# RISK MANAGEMENT WORKSHEET

Form 1112-5  
(May 2001)

UNITED STATES  
 DEPARTMENT OF THE INTERIOR  
 BUREAU OF LAND MANAGEMENT  
**RISK MANAGEMENT WORKSHEET**

1. Organization and Location		2. Page <u>1</u> of <u>1</u>			
3. Operation / Task	4. Beginning Date:	5. Ending Date:	6. Date Prepared		
7. Prepared by: <i>(Name / Duty Position)</i>					
8. Identified Hazards:  (Be Specific)	9. Assess the Hazards Initial	10. Control Measures Developed for Identified Hazards: <i>(Specific measures taken to reduce the probability of a hazard.)</i>	11. Assess the Hazard's Residual Risk	12. How to Implement the Controls: <i>(Include SOP's, references, etc.)</i>	13. Supervision and Evaluation Method: <i>(Continuous Leader Checks, Buddy System, etc.)</i>
	L M H E	(Be Specific)	L M H E	(Be Specific)	(Be Specific)
14. Remaining Risk Level After Control Measures Are Implemented: (CIRCLE HIGHEST REMAINING RISK LEVEL)		LOW (Line Supervisor)	MEDIUM (Branch Chief)	HIGH (District Manager)	EXTREMELY HIGH (Must be State Director/Associate)
15. RISK DECISION AUTHORITY: (Approval/Authority Signature Block) (If Initial Risk Level is Medium, High or Extremely High, Brief Risk Decision Authority at that level on Controls and Control Measures used to reduce risks. NOTE: If the person preparing the form signs this block, the signature indicates only that the appropriate risk decision authority was notified of the initial risk level, control measures taken and appropriate resources requested, and that the risk was accepted by the decision authority.)					
_____ (Signature)					

# Search & Rescue Pre-Plans

- Pre-plans organize personnel & equipment for urgent incidents
- Provide guidance through the initial response
- Determine the sufficiency & availability of existing cave SAR programs
- Develop partnerships between BLM and responsible authorities



# Questions

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